

## **RAW SEQUENCE LISTING**

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 10/530,207  
Source: PU/10  
Date Processed by STIC: 4/13/05

# ***ENTERED***

# CRF Errors Edited by the STIC Systems Branch

Serial Number: 10/530,207

CRF Edit Date: 4/13/05  
Edited by: W

\_\_\_ Realigned nucleic acid/amino acid numbers/text in cases where the sequence text "wrapped" to the next line

\_\_\_ Corrected the SEQ ID NO. Sequence numbers edited were:

\_\_\_\_\_

\_\_\_ Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited:

\_\_\_\_\_

\_\_\_ Deleted: \_\_\_ invalid beginning/end-of-file text ; \_\_\_ page numbers

\_\_\_ Inserted mandatory headings/numeric identifiers, specifically:

\_\_\_\_\_

\_\_\_ Moved responses to same line as heading/numeric identifier, specifically:

\_\_\_\_\_

\_\_\_ Other:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_



PCT10

## RAW SEQUENCE LISTING

DATE: 04/13/2005

PATENT APPLICATION: US/10/530,207

TIME: 15:32:41

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF4\04132005\J530207.raw

```

3 <110> APPLICANT: KIRIN BEER KABUSHIKI KAISHA
5 <120> TITLE OF INVENTION: Human Artificial Chromosome Vector
7 <130> FILE REFERENCE: PH-1899-PCT
C--> 9 <140> CURRENT APPLICATION NUMBER: US/10/530,207
C--> 9 <141> CURRENT FILING DATE: 2005-04-04
9 <150> PRIOR APPLICATION NUMBER: JP 2002-292853
10 <151> PRIOR FILING DATE: 2002-10-04
12 <160> NUMBER OF SEQ ID NOS: 62
14 <170> SOFTWARE: PatentIn version 3.1
16 <210> SEQ ID NO: 1
17 <211> LENGTH: 37
18 <212> TYPE: DNA
19 <213> ORGANISM: Artificial
21 <220> FEATURE:
22 <223> OTHER INFORMATION: synthetic oligonucleotide
24 <400> SEQUENCE: 1
25 cgcgatcca gagagagcct ggaatgcctg gtagtgt          37
28 <210> SEQ ID NO: 2
29 <211> LENGTH: 37
30 <212> TYPE: DNA
31 <213> ORGANISM: Artificial
33 <220> FEATURE:
34 <223> OTHER INFORMATION: synthetic oligonucleotide
36 <400> SEQUENCE: 2
37 cgcgatccc cagtgccctg agatcttggtg atttctc          37
40 <210> SEQ ID NO: 3
41 <211> LENGTH: 20
42 <212> TYPE: DNA
43 <213> ORGANISM: Artificial
45 <220> FEATURE:
46 <223> OTHER INFORMATION: synthetic oligonucleotide
48 <400> SEQUENCE: 3
49 gcctggcatc ttcctcaata          20
52 <210> SEQ ID NO: 4
53 <211> LENGTH: 20
54 <212> TYPE: DNA
55 <213> ORGANISM: Artificial
57 <220> FEATURE:
58 <223> OTHER INFORMATION: synthetic oligonucleotide
60 <400> SEQUENCE: 4
61 ttgcatgcct gtggtactgt          20
64 <210> SEQ ID NO: 5
65 <211> LENGTH: 20

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66 <212> TYPE: DNA
67 <213> ORGANISM: Artificial
69 <220> FEATURE:
70 <223> OTHER INFORMATION: synthetic oligonucleotide
72 <400> SEQUENCE: 5
73 tcacaatcat gggctttgaa 20
76 <210> SEQ ID NO: 6
77 <211> LENGTH: 20
78 <212> TYPE: DNA
79 <213> ORGANISM: Artificial
81 <220> FEATURE:
82 <223> OTHER INFORMATION: synthetic oligonucleotide
84 <400> SEQUENCE: 6
85 cacgcaacca ttgttcatt 20
88 <210> SEQ ID NO: 7
89 <211> LENGTH: 20
90 <212> TYPE: DNA
91 <213> ORGANISM: Artificial
93 <220> FEATURE:
94 <223> OTHER INFORMATION: synthetic oligonucleotide
96 <400> SEQUENCE: 7
97 tcacagccag cagaggattc 20
100 <210> SEQ ID NO: 8
101 <211> LENGTH: 20
102 <212> TYPE: DNA
103 <213> ORGANISM: Artificial
105 <220> FEATURE:
106 <223> OTHER INFORMATION: synthetic oligonucleotide
108 <400> SEQUENCE: 8
109 cacctgcaca atggetcaac 20
112 <210> SEQ ID NO: 9
113 <211> LENGTH: 29
114 <212> TYPE: DNA
115 <213> ORGANISM: Artificial
117 <220> FEATURE:
118 <223> OTHER INFORMATION: synthetic oligonucleotide
120 <400> SEQUENCE: 9
121 ccggaattcc tctgggtttc tgggaagc 29
124 <210> SEQ ID NO: 10
125 <211> LENGTH: 29
126 <212> TYPE: DNA
127 <213> ORGANISM: Artificial
129 <220> FEATURE:
130 <223> OTHER INFORMATION: synthetic oligonucleotide
132 <400> SEQUENCE: 10
133 ccggaattct gtagatcctg ccattgtgg 29
136 <210> SEQ ID NO: 11
137 <211> LENGTH: 29
138 <212> TYPE: DNA

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139 <213> ORGANISM: Artificial
141 <220> FEATURE:
142 <223> OTHER INFORMATION: synthetic oligonucleotide
144 <400> SEQUENCE: 11
145 cgcggatcct tggctccaaa aggtaccac 29
148 <210> SEQ ID NO: 12
149 <211> LENGTH: 29
150 <212> TYPE: DNA
151 <213> ORGANISM: Artificial
153 <220> FEATURE:
154 <223> OTHER INFORMATION: synthetic oligonucleotide
156 <400> SEQUENCE: 12
157 cgcggatccc taccctcgcc actgtgtcc 29
160 <210> SEQ ID NO: 13
161 <211> LENGTH: 25
162 <212> TYPE: DNA
163 <213> ORGANISM: Artificial
165 <220> FEATURE:
166 <223> OTHER INFORMATION: synthetic oligonucleotide
168 <400> SEQUENCE: 13
169 gttgcagaaa agtagactgt agcaa 25
172 <210> SEQ ID NO: 14
173 <211> LENGTH: 25
174 <212> TYPE: DNA
175 <213> ORGANISM: Artificial
177 <220> FEATURE:
178 <223> OTHER INFORMATION: synthetic oligonucleotide
180 <400> SEQUENCE: 14
181 tctaaggaac aaatctaggt catgg 25
184 <210> SEQ ID NO: 15
185 <211> LENGTH: 20
186 <212> TYPE: DNA
187 <213> ORGANISM: Artificial
189 <220> FEATURE:
190 <223> OTHER INFORMATION: synthetic oligonucleotide
192 <400> SEQUENCE: 15
193 gggctagcca ttaaagctga 20
196 <210> SEQ ID NO: 16
197 <211> LENGTH: 20
198 <212> TYPE: DNA
199 <213> ORGANISM: Artificial
201 <220> FEATURE:
202 <223> OTHER INFORMATION: synthetic oligonucleotide
204 <400> SEQUENCE: 16
205 aaagggaata agggcgacac 20
208 <210> SEQ ID NO: 17
209 <211> LENGTH: 24
210 <212> TYPE: DNA
211 <213> ORGANISM: Artificial

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213 <220> FEATURE:
214 <223> OTHER INFORMATION: synthetic oligonucleotide
216 <400> SEQUENCE: 17
217 ggtttggtcca aactcatcaa tgta 24
220 <210> SEQ ID NO: 18
221 <211> LENGTH: 27
222 <212> TYPE: DNA
223 <213> ORGANISM: Artificial
225 <220> FEATURE:
226 <223> OTHER INFORMATION: synthetic oligonucleotide
228 <400> SEQUENCE: 18
229 gtcaattcac taattcctat tcccagt 27
232 <210> SEQ ID NO: 19
233 <211> LENGTH: 20
234 <212> TYPE: DNA
235 <213> ORGANISM: Artificial
237 <220> FEATURE:
238 <223> OTHER INFORMATION: synthetic oligonucleotide
240 <400> SEQUENCE: 19
241 caacagcatc cccatctctg 20
244 <210> SEQ ID NO: 20
245 <211> LENGTH: 20
246 <212> TYPE: DNA
247 <213> ORGANISM: Artificial
249 <220> FEATURE:
250 <223> OTHER INFORMATION: synthetic oligonucleotide
252 <400> SEQUENCE: 20
253 gctcaagatg cccctgttct 20
256 <210> SEQ ID NO: 21
257 <211> LENGTH: 28
258 <212> TYPE: DNA
259 <213> ORGANISM: Artificial
261 <220> FEATURE:
262 <223> OTHER INFORMATION: synthetic oligonucleotide
264 <400> SEQUENCE: 21
265 ggccgaattc cgtattaccg ccatgcat 28
268 <210> SEQ ID NO: 22
269 <211> LENGTH: 27
270 <212> TYPE: DNA
271 <213> ORGANISM: Artificial
273 <220> FEATURE:
274 <223> OTHER INFORMATION: synthetic oligonucleotide
276 <400> SEQUENCE: 22
277 ccgggatccc acaactagaa tgcagtg 27
280 <210> SEQ ID NO: 23
281 <211> LENGTH: 28
282 <212> TYPE: DNA
283 <213> ORGANISM: Artificial
285 <220> FEATURE:

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```

286 <223> OTHER INFORMATION: synthetic oligonucleotide
288 <400> SEQUENCE: 23
289 gcactagtct ggcactcctg cataaaca                                28
292 <210> SEQ ID NO: 24
293 <211> LENGTH: 30
294 <212> TYPE: DNA
295 <213> ORGANISM: Artificial
297 <220> FEATURE:
298 <223> OTHER INFORMATION: synthetic oligonucleotide
300 <400> SEQUENCE: 24
301 ctaaggatcc atttcagcct gtgggaatca                                30
304 <210> SEQ ID NO: 25
305 <211> LENGTH: 20
306 <212> TYPE: DNA
307 <213> ORGANISM: Artificial
309 <220> FEATURE:
310 <223> OTHER INFORMATION: synthetic oligonucleotide
312 <400> SEQUENCE: 25
313 ctggcactcc tgcataaaca                                20
316 <210> SEQ ID NO: 26
317 <211> LENGTH: 20
318 <212> TYPE: DNA
319 <213> ORGANISM: Artificial
321 <220> FEATURE:
322 <223> OTHER INFORMATION: synthetic oligonucleotide
324 <400> SEQUENCE: 26
325 tctgtgttcc ctttctctga                                20
328 <210> SEQ ID NO: 27
329 <211> LENGTH: 24
330 <212> TYPE: DNA
331 <213> ORGANISM: Artificial
333 <220> FEATURE:
334 <223> OTHER INFORMATION: synthetic oligonucleotide
336 <400> SEQUENCE: 27
337 aagtactcgc cgatagtgga aacc                                24
340 <210> SEQ ID NO: 28
341 <211> LENGTH: 24
342 <212> TYPE: DNA
343 <213> ORGANISM: Artificial
345 <220> FEATURE:
346 <223> OTHER INFORMATION: synthetic oligonucleotide
348 <400> SEQUENCE: 28
349 agttagccta ctttttg gcc atcc                                24
352 <210> SEQ ID NO: 29
353 <211> LENGTH: 39
354 <212> TYPE: DNA
355 <213> ORGANISM: Artificial
357 <220> FEATURE:
358 <223> OTHER INFORMATION: synthetic oligonucleotide

```

RAW SEQUENCE LISTING ERROR SUMMARY  
PATENT APPLICATION: US/10/530,207

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Input Set : A:\PTO.AMC.txt  
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Invalid <213> Response:

Use of "Artificial" only as "<213> Organism" response is incomplete,  
per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27

Seq#:28,29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,45,46,47,48,49,50,51

Seq#:52,53,54,55,56,57,58,59,60,61,62



**VERIFICATION SUMMARY**

PATENT APPLICATION: US/10/530,207

DATE: 04/13/2005

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Input Set : A:\PTO.AMC.txt

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L:9 M:270 C: Current Application Number differs, Replaced Current Application No

L:9 M:271 C: Current Filing Date differs, Replaced Current Filing Date